

ABSTRACT

In a method for coating a substrate, and a coated object, in a first step, in an external current-less or electrolytic manner, nickel and/or cobalt and/or platinum are deposited on
5 a substrate in a deposition bath. In the deposition bath, particles are additionally suspended which contain at least one metal selected from Mg, Al, Ti, Zn and no Cr, the particles becoming occluded in the coating. In a second step, the actual protective layer is produced by heat treatment.
10 The coating of component parts may be used for aircraft turbines or gas turbines or for garbage incineration systems having temperature-resistant protective layers against high temperature corrosion.